Lillian J Ratliff

List of Publications by Year
in descending order

56 papers	553 citations	1039406 9 h-index	996533 15 g-index
56 all docs	56 docs citations	56 times ranked	437 citing authors

#	Article	IF	Citations
1	Koopman Operator Applications in Signalized Traffic Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3214-3225.	4.7	7
2	Disturbance Decoupling for Gradient-Based Multi-Agent Learning With Quadratic Costs. , 2021, 5, 223-228.		2
3	Adaptive Incentive Design. IEEE Transactions on Automatic Control, 2021, 66, 3871-3878.	3.6	6
4	Modeling Curbside Parking as a Network of Finite Capacity Queues. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1011-1022.	4.7	14
5	Gaussian Mixture Models for Parking Demand Data. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3571-3580.	4.7	6
6	Inverse Risk-Sensitive Reinforcement Learning. IEEE Transactions on Automatic Control, 2020, 65, 1256-1263.	3.6	15
7	Competitive Statistical Estimation With Strategic Data Sources. IEEE Transactions on Automatic Control, 2020, 65, 1537-1551.	3.6	6
8	Uncertainty in Multicommodity Routing Networks: When Does It Help?. IEEE Transactions on Automatic Control, 2020, 65, 4600-4615.	3.6	10
9	On Gradient-Based Learning in Continuous Games. SIAM Journal on Mathematics of Data Science, 2020, 2, 103-131.	1.0	39
10	Stability of Gradient Learning Dynamics in Continuous Games: Scalar Action Spaces. , 2020, , .		0
11	Mobilytics-Gym: A Simulation Framework for Analyzing Urban Mobility Decision Strategies. , 2019, , .		1
12	Multi-Dimensional Continuous Type Population Potential Games. , 2019, , .		0
13	Incentive Design for Temporal Logic Objectives. , 2019, , .		2
14	Distributed Learning in Network Games: a Dual Averaging Approach. , 2019, , .		2
15	Local Nash Equilibria are Isolated, Strict Local Nash Equilibria in â€˜Almost Allâ€™ Zero-Sum Continuous Games. , 2019, , .		0
16	Sensitivity Analysis for Markov Decision Process Congestion Games. , 2019, , .		3
17	A Perspective on Incentive Design: Challenges and Opportunities. Annual Review of Control, Robotics, and Autonomous Systems, 2019, 2, 305-338.	7.5	15
18	Experiments with sensorimotor games in dynamic human/machine interaction. , 2019, , .		1

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19	Tolling for Constraint Satisfaction in Markov Decision Process Congestion Games. , 2019, , .		4
20	A Robust Utility Learning Framework via Inverse Optimization. IEEE Transactions on Control Systems Technology, 2018, 26, 954-970.	3.2	17
21	Energy Disaggregation and the Utility-Privacy Tradeoff. , 2018, , 409-444.		4
22	Koopman Operator Approach for Instability Detection and Mitigation in Signalized Traffic. , 2018, , .		7
23	Uncertainty in Multi-Commodity Routing Networks: When does it help?. , 2018, , .		3
24	Quantifying the Utility–Privacy Tradeoff in the Internet of Things. ACM Transactions on Cyber-Physical Systems, 2018, 2, 1-28.	1.9	11
25	Mobilytics- An Extensible, Modular and Resilient Mobility Platform. , 2018, , .		0
26	Data Driven Spatio-Temporal Modeling of Parking Demand. , 2018, , .		9
27	Leveraging correlations in utility learning. , 2017, , .		4
28	Statistical estimation with strategic data sources in competitive settings. , 2017, , .		6
29	Gradient-based inverse risk-sensitive reinforcement learning. , 2017, , .		6
30	Optimizing curbside parking resources subject to congestion constraints. , 2017, , .		6
31	Learning prospect theory value function and reference point of a sequential decision maker. , 2017, , .		3
32	Smart building energy efficiency via social game: a robust utility learning framework for closingâ€"theâ€"loop. , 2016, , .		3
33	Inverse modeling of non-cooperative agents via mixture of utilities. , 2016, , .		9
34	Understanding the impact of parking on urban mobility via routing games on queue-flow networks. , 2016, , .		6
35	To observe or not to observe: Queuing game framework for urban parking. , 2016, , .		8
36	On the Characterization of Local Nash Equilibria in Continuous Games. IEEE Transactions on Automatic Control, 2016, 61, 2301-2307.	3.6	62

#	Article	IF	Citations
37	Nuclear norm minimization for blind subspace identification (N2BSID). , 2015, , .		5
38	Lane pricing via decision-theoretic lane changing model of driver behavior. , 2015, , .		0
39	REST. , 2015, , .		1
40	Genericity and structural stability of non-degenerate differential Nash equilibria. , 2014, , .		5
41	Analysis of the Godunov-Based Hybrid Model for Ramp Metering and Robust Feedback Control Design. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2132-2142.	4.7	4
42	Privacy and customer segmentation in the smart grid. , 2014, , .		2
43	Energy efficiency via incentive design and utility learning. , 2014, , .		1
44	Fundamental limits of nonintrusive load monitoring. , 2014, , .		18
45	Incentive Design and Utility Learning via Energy Disaggregation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3158-3163.	0.4	18
46	Blind Identification via Lifting. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10367-10372.	0.4	9
47	Pricing for Coordination in Openâ€"Loop Differential Games. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9001-9006.	0.4	1
48	Social game for building energy efficiency: Incentive design. , 2014, , .		19
49	Energy management via pricing in LQ dynamic games. , 2013, , .		24
50	Energy disaggregation via adaptive filtering. , 2013, , .		15
51	An inverse correlated equilibrium framework for utility learning in multiplayer, noncooperative settings. , 2013, , .		3
52	Pricing design for robustness in linear quadratic games. , 2013, , .		1
53	Characterization and computation of local Nash equilibria in continuous games. , 2013, , .		109
54	A dynamical systems approach to energy disaggregation. , 2013, , .		13

#	Article	IF	Citations
55	Pricing in linear-quadratic dynamic games. , 2012, , .		8
56	Numerical Modeling of EM Pump Efficiency. , 2006, , 775.		0